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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 25 April 2018 from the Permanent Mission of Italy to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Italy to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit information on Italian space objects D-SAT (international designator 2017-036AF) and OPTSAT-3000 (international designator 2017-044A) (see annex).

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Annex

Registration data on space objects launched by Italy*

D-SAT

Name of space object	D-SAT (Committee on Space Research international designator 2017-036AF)
Name of launching State	Italy
Satellite owner	D-Orbit S.r.L.
Date and location of launch	23 June 2017 at 0559 hours UTC Satish Dhawan Space Centre, Sriharikota, India
Launch vehicle	PSLV
Basic orbital parameters:	
Nodal period	96.6 minutes
Inclination	97.62 degrees
Apogee	683 kilometres
Perigee	508 kilometres
General function	D-SAT is the first satellite having as its main technological mission the qualification of a device for independent disposal at a spacecraft's end of life in a safe and controlled way. Its initial orbital parameters before burn (nodal period 94.7 minutes, inclination 97.40 degrees, apogee height 516.9 km and perigee height 502 km) were changed as the satellite performed the firing procedure at 2018 hours UTC on 2 October 2017. The other goal of the D-SAT mission is scientific investigation, performing three experiments: SatAlert, Debris Collision Alerting (DeCas) and Atmosphere Analyser. D-SAT is a three-unit cubesat designed, built and operated by D-Orbit (see www.dsat.space).

* The registration data are reproduced in the form in which they were received.

OPTSAT-3000

Name of space object	OPTSAT-3000 (Committee on Space Research international designator 2017-044A)
Name of launching State	Italy
Satellite owner	Ministry of Defence of Italy
Date and location of launch	2 August 2017 at 0158 hours UTC Kourou, French Guiana (France)
Launch vehicle	Vega
Basic orbital parameters:	
Nodal period	Not applicable
Inclination excursion	Not applicable
Apogee	Not applicable
Perigee	Not applicable
General function	OPTSAT-3000 is a high-resolution imagery Earth observation satellite in low Earth orbit.